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— 国際調査報告書

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のガイダンスノート」を参照。

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(54) Title: PROTEIN ARRAY AND PROCESS FOR PRODUCING THE SAME

(54) 発明の名称: タンパク質アレイ及びその作製方法

(57) Abstract: A protein array having protein aligned and immobilized in high density and in uniformly oriented form is produced by introducing a polymer compound having primary amino groups in repeating units in a surface of planar substrate so as to obtain a substrate for protein array and linking carboxyl terminals of protein main chains with the primary amino groups of the polymer compound on the substrate.

(57) 要約: 一級アミノ基を繰返し構造中に有するポリマー化合物を平面状基材表面に導入してタンパク質アレイ用
基材とし、該基材上のポリマー化合物の一級アミノ基に、タンパク質主鎖のカルボキシル末端を結合させて、タン
パク質が高密度にかつ均一に配向した状態で整列固定化されたタンパク質アレイを作成する。

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/005150

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G01N33/53, G01N37/00, C07K17/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	WO 01/70641 A (INCYTE PHARMACEUTICALS, INC.), 27 September, 2001 (27.09.01), & AU 200147632 A & US 6387631 B & EP 1274661 A & JP 2003-528301 A	1-5 6-13
X Y	JP 2002-90367 A (Toshiba Corp.), 27 March, 2002 (27.03.02), (Family: none)	1-5 6-13
Y A	JP 2000-247999 A (Director General, Agency of Industrial Science and Technology), 12 September, 2000 (12.09.00), (Family: none)	6-13 1-5

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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